

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	207	(712/235).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/07/25 12:44
L2	970	((712/218) or (712/239)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/07/25 12:44
L3	202	L2 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit) NEAR4(insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44
L4	300	L2 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit\$1) WITH (insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44
L5	970	((712/218) or (712/239)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/07/25 12:44
L6	202	L5 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit) NEAR4(insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44
L7	225	(BTAC OR (branch NEAR3 (cache OR buffer OR unit))) with length	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44
L8	307	read\$3 WITH writ\$4 WITH empty WITH queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44
L9	31	read\$3 WITH writ\$4 WITH empty WITH queue WITH (both OR concurrent\$3 OR simultaneous\$3)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44
L10	23	early queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44
L11	46	multiplexer\$1 NEAR3 (flip flop\$1 OR flipflop\$1 OR latch\$2 OR register\$1) NEAR3 queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/25 12:44

## EAST Search History

S1	0	(late AND early) WITH kill queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/06/07 14:33
S2	37898	(kill\$3 OR prevent\$4 OR nuk\$3 OR flush\$3) WITH (queue\$1 OR buffer\$1)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:00
S3	115	(kill\$3 OR prevent\$4 OR nuk\$3 OR flush\$3) WITH (queue\$1 OR buffer\$1) WITH (("same" OR one) NEAR3 (cycle OR clock OR stage))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:25
S4	8	queue WITH (input WITH output WITH "same" (clock OR cycle))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:23
S5	405	bypass\$3 NEAR2 queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:25
S6	0	kill WITH (bypass\$3 NEAR2 queue)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:24
S7	0	kill SAME (bypass\$3 NEAR2 queue)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:24
S8	15	bypass\$3 NEAR3 instruction queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:13
S9	0	early queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:43
S10	22	early queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:45
S11	24	multiplexer\$1 NEAR3 register\$1 NEAR3 queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:47
S12	46	multiplexer\$1 NEAR3 (flip flop\$1 OR flipflop\$1 OR latch\$2 OR register\$1) NEAR3 queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/18 17:47

## EAST Search History

S13	287	read\$3 WITH writ\$4 WITH empty WITH queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 17:49
S14	30	read\$3 WITH writ\$4 WITH empty WITH queue WITH (both OR concurrent\$3 OR simultaneous\$3)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 17:51
S15	0	(bypass\$3 NEAR3 queue) WITH (nuke OR kill\$3 OR nullif\$3 OR annul\$3) WITH (instruction\$1 OR uop OR operation)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:04
S16	1	(bypass\$3 NEAR3 queue) SAME (nuke OR kill\$3 OR nullif\$3 OR annul\$3) SAME (instruction\$1 OR uop OR operation)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:05
S17	6	(bypass\$3 NEAR3 queue) AND ((nuke OR kill\$3 OR nullif\$3 OR annul\$3) NEAR3 (instruction\$1 OR uop OR operation)) SAME queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:07
S18	15	bypass\$3 NEAR3 (uop OR micro op OR micro operation OR instruction) queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:13
S19	350	(kill\$3 OR prevent\$4 OR nuk\$3 OR flush\$3) WITH ((queue\$1 OR buffer\$1) NEAR2 (instruction OR uop OR micro-op))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:31
S20	194	(kill\$3 OR nuk\$3 OR flush\$3) WITH ((queue\$1 OR buffer\$1) NEAR2 (instruction OR uop OR micro-op))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:48
S21	18	(kill\$3 OR nuk\$3 ) WITH ((queue\$1 OR buffer\$1) NEAR2 (instruction OR uop OR micro-op))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:34
S22	67	((kill\$3 OR nuk\$3 OR flush\$3) WITH ((queue\$1 OR buffer\$1) NEAR2 (instruction OR uop OR micro-op))) AND mispredict\$4	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/23 18:59

## EAST Search History

S23	25	((("5706491") or ("5313634") or ("5961629") or ("5832289") or ("5828901") or ("5864707") or ("6035391") or ("5353421") or ("6081884") or ("6250821") or ("5805877") or ("5948100") or ("6233676") or ("5623615") or ("6175897") or ("5734881") or ("6260138") or ("6823444") or ("6256727") or ("5931944") or ("5881260") or ("4860197") or ("5142634") or ("5163140") or ("5404467"))).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/01/24 07:33
S24	3	kill queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/24 07:37
S25	360	kill signal	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/24 07:37
S26	66	S25 AND "712".CLAS.	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/24 07:37
S27	13	x86 NEAR3 advantage\$1	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/30 17:59
S28	224	translat\$3 WITH (microinstruction OR uop OR micro op OR micro operation OR helper instruction)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/30 18:02
S29	352	translat\$3 WITH (microinstruction OR uop OR micro op OR micro operation OR helper instruction)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/01/30 18:09
S30	222	(incorrect OR wrong or mispredict\$3 NEAR2 length WITH branch OR jump) AND queue SAME (microinstruction OR uop OR micro op OR micro operation OR helper instruction)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/01/30 18:11
S31	1	((incorrect OR wrong OR mispredict\$3) NEAR2 length) WITH (branch OR jump)) AND (queue SAME (microinstruction OR uop OR micro op OR micro operation OR helper instruction))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/01/30 18:12

## EAST Search History

S32	1	((((incorrect OR wrong OR mispredict\$3) NEAR2 (size OR length)) WITH (branch OR jump)) AND (queue SAME (microinstruction OR uop OR micro op OR micro operation OR helper instruction)))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/01/30 18:12
S33	112	((((incorrect OR wrong OR mispredict\$3) ) WITH (branch OR jump)) AND (queue SAME (microinstruction OR uop OR micro op OR micro operation OR helper instruction)))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/01/30 18:19
S34	8	macroinstruction queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/01/30 18:20
S35	48	macroinstruction with queue	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/01/30 18:20
S36	823	prefetch buffer	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/31 15:39
S37	11	"prefetch buffer" SAME (microinstruction or uop OR micro instruction or micro operation)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/31 17:07
S38	22	"prefetch queue" SAME (microinstruction or uop OR micro instruction or micro operation)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/31 17:10
S39	54	"prefetch queue" SAME predict\$4	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/31 17:13
S40	160	"prefetch buffer" SAME predict\$4	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/31 17:22
S41	780	u pipe	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/31 17:22
S42	32	u pipe AND "712".CLAS.	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/01/31 17:22

## EAST Search History

S43	210	x86 AND prefetch (buffer OR queue)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/01 19:45
S44	121	x86 AND prefetch (buffer OR queue) AND (microcode OR uop\$1 OR microinstruction\$1 OR micro instruction\$1)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/01 19:46
S46	2	queue WITH multiplexer WITH (input NEAR3 (self OR "same"))	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 13:43
S47	363	queue WITH multiplexer\$1 WITH input	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 13:43
S48	26360	predict\$4 WITH (length OR size)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 15:41
S49	362	predict\$4 WITH (length OR size) WITH branch	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 15:47
S50	2	predict\$4 WITH ((wrong OR incorrect OR "not" correct OR mispredict\$4) NEAR3 (length OR size)) WITH branch	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 16:08
S51	5	((wrong OR incorrect OR "not" correct OR mispredict\$4) NEAR3 (length OR size)) WITH branch	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 16:01
S52	0	((wrong OR incorrect OR "not" correct OR mispredict\$4) NEAR3 (length OR size)) WITH predict	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 16:02
S53	19	((wrong OR incorrect OR "not" correct OR mispredict\$4) NEAR3 (length OR size)) WITH predict\$4	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 16:02
S54	18	(BTAC OR (branch target address cache)) with length	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 16:18
S55	211	(BTAC OR (branch NEAR3 (cache OR buffer OR unit))) with length	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 17:12

## EAST Search History

S56	281	predict NEAR2 length	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/02 17:12
S57	31	predict NEAR2 length AND "71"?. CLAS.	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:08
S58	0	"not a branch"	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:15
S59	426	"non-branch"	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/10 14:59
S60	3	"non-branch" WITH mispredict\$4	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:11
S61	0	("not" ADJ2 branch) WITH mispredict\$4	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:11
S62	0	as a branch	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:11
S63	6	"non-branch" WITH incorrect\$3	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:12
S64	0	"not" branch	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:17
S65	0	"not" a branch	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 10:15
S66	0	"not" NEAR2 branch	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 15:34
S67	1	(predict\$4 NEAR3 taken) WITH kill	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 15:35

## EAST Search History

S68	58	(predict\$4 NEAR3 taken) WITH (flush\$3 OR kill\$3 OR anull\$3)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/06 15:35
S69	6	"6,041,405"	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/02/10 15:07
S70	18	"phantom branch"	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	ON	2006/02/10 15:07
S71	955	((712/218) or (712/239)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/05/26 12:29
S72	756	S71 AND (queue OR buffer)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/05/26 12:30
S73	491	S71 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit\$1)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/05/26 12:32
S74	487	S73 AND (insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/05/26 12:31
S75	296	S71 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit\$1) WITH (insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/05/26 12:32
S76	216	S71 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit\$1) NEAR4(insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/05/26 12:33
S77	200	S71 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit\$1) NEAR4(insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/05/26 12:33
S78	8	((("6101595") or ("6157988") or ("6374350") or ("5434985") or ("5553246") or ("6122729") or ("6748441") or ("6321321"))).PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/06/02 16:27
S79	200	(712/235).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/06/07 15:11



## EAST Search History

S80	1	("20020078330").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/06/07 15:12
S81	970	((712/218) or (712/239)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	OR	OFF	2006/07/24 15:33
S82	202	S81 AND (queue OR buffer) WITH (signal\$4 OR indicat\$4 OR bit) NEAR4(insert\$4 OR load\$4 OR add\$4)	US-PGPUB; USPAT; USOCR; IBM_TDB	ADJ	OFF	2006/07/24 15:33